



Fig. 1

1 GTGACTTAT TCAATTGATG GGTACATGG TAGTCCATC CTTCCTTTTC TAACAAGCCT TGTATAAAG
 71 CTGGTCCGT TTCACTAAGT TGAACACAAT ACTCATGATT TTCCCACTT CCGGAAAGGG AAAAGTGAAA
 141 ATAGCTTTTG AGATCAGCCT GTTCTAGCAG GTTTCAATG ATCTTTTTCG TGGTACGTT TTGAAAAATC
 211 TGACGACTGC GTTTGTATTG CAACAAGCTA AGTGGATCCA ATATCTCTAT TTGATAATAA AACTGCTGCT
 281 TGTCTTTGCT ATATGCTGTG AATTGCAGAG TGCTACATAT ACCTGAAAAA AAAGCTTTC CAGAATCTAA
 351 TTGTAAGAC ACACAAACAG CTTTACCTAG GTTTTGTGTA TGGATCTCCA TTTTGGGCG GATGGAAAGG
 421 GAAAAGTAC ACCGGGGGGA TAGCTTTTC TCTGGATTA ATTGCTGAC AATATAACTT TTGCTATCTG
 491 AAAGCTTAAT GTTGAGGGAG CGGTTTGTGT GCTTTAATTC GTTACTGCTC ATATCAATT AATTCACAT
 561 TAAATAAACA GTTCTAAAAA GCTTTTATT GGTATGAATAT TGGAAATAT CACATAATAA TTGATGCTAT
 631 TATTACTTGC TGTATGTTA TCAACTTTC TGTCTATAC ATGTAATATA TTGGAATTA GACCTTAAT
 701 CAAGGTAAAT TGTCTATTA ATTATTATCT GAATAATATG TAATGATG GTTTGTGTT ATTTTTATGT
 771 TTGTTTCAAT TTTAATGAGG GTGAGCTTGT GCATCTATAT TTTTATGAT GACACATCT TTGATGAAGT
 841 ATTAAAGATA TTGTAATGC ATGAGGGGTT TGGGTATAT TTTTATATA AATCATAATA AAATCAACAA
 911 TATATGTTAT TTGTGTCTT TTTATAGTGT TCTTTAAAG AGTAAAGATG ACCTAAAGGT GCGCTAAATA
 981 TGGCTAAAT TGGCTTGTCT ATAAATCAC TCAAGATAC ACTATTGCA ~~AAATGACAA~~ TATTTCACCT
 1051 ~~CTATGAAAC~~ ~~AAATATGTA~~ GATGTTTUTT TTGCTGAAA AATAAAAAAT TTCTGGTTT AAATAACTCA
 1121 AGGCTCTAG GCTTTTCTT TATCTTAAA TACAGAAAT AGGATGAA GTTAATGAC ACTTAAGCTA
 1191 ATAGTCAAC TAACAGAGCA ~~GGAACCTAT~~ GCTTTGTCAA AGCATCAAT TGAACAACTT TCTAAAGCTC
 1261 TGAGTGATGA TTGATCTGT GCGTTTATC TTAAGTGA AAAAGTGT TTGCGCCAT TACGTAATGA
 1331 ATTTAATGTC GCGCAACTG CGCTGCTAA GCTAAGTCAA AACCTAGTG CTGACGAGAG AGATGCTTA
 1401 CAGAGGCA TGTCTAATA AGTGAAGAT TGTCTGAC AGTTGTAGG AACATTTTC AAAACAACCC
 1471 AGAGATAGC AGCTCATCTC ATGTTTGTG CTGCTCAAT TCTTCTGGA TACCAATTA GAAAGTCTG
 1541 CGAATAGCT TGAAGTGTGA GCGGATTAA GTGAGAGCA CTGGGATCAC CTCAGGCTG TACTAGCAAT
 1611 TGAAGGCTC AAATCTGATG ATGATAAGG CAAGAAAGA GAGCAAGCA ATGGAAGT TAAAGCATTT
 1681 TTCAACTAG TGGGGATAG CGAGGAAAGC TGGATCTCT ATGCGCGGT GCTGCAACTG CGCTTAGTGG
 1751 GCGAAGTAC GTTTTGTGAC TTCAAAAGT CAGAGAGAAA AGCGGAATC AGGCACTGA AATCTATGCT
 1821 TACGACCAAG GTGGCGAAG AGCGTTTGC AATTCATTC AAGATGAAA AGCGCAAGG TTGTGTCAAC
 1891 CAATTAGATC GTTTGTGAC GTTGTGAGC ACTAAGTGC ATCTCTAGG CAGTCAAGT ACCAAGTGG
 1961 GATTTGCAA GTCACTGCTT AGCGTTTGT AAAAGCTTT GTTTCATTA AGTGAATTA AGTTAGCAC
 2031 GAAAGCGAG CGCAAGCAG TAGAGCAGA GTTGGGAAA AGTTCAATTT CTGAAGGGA GCTGCAAGC
 2101 CATATGATA CAAACATAT AGAGCGAATA CGATGCAAT CAGAGCAGC TCAAGCTTA AGCAACACT
 2171 TACAGCGAG AAAGCTCTCT GACTGGTA ATTTAAACA TATGAAGGA GACTTAGCT TGCATTTT
 2241 GAGAGAAATC TGTGATTAT TTGCGCAGG CGAAGCGAT AGCGCAATT CATTTTUTT AGAAAAAGCG
 2311 AGTGGATGG GATATTATC CTTAAGTGA TTGCTGGAG AATGATGTC GGAACAAAC GGTGAGCTC
 2381 TTAGTAGAT TTTAATGCC GCGGATGGA ATCATCTGA TCAAGTTTGT CTGCGGAGG TGAATACTCC
 2451 AACGTTGCG ATTTGAAGCC CGCAACAC TCAAGCGAG GCTTGGTTT CGATCGCGG AAGTTTGAA
 2521 GAGCATGAT CTCAGATTC CGCTGATAT AGCAATCTA AGCAAGTCA AAAAGCACAA TCAATCGCTA
 2591 CGTGGCTCT GATTTGTTAA TTGTTTAA ~~AAATAGGA~~ ~~AAATCATG~~ CAGTATTA CATGCTGTA
 2661 AGCGTCTTC AGTTGAGGG CGCAGGACT ATGCTGAGC TAGAAGCGC TGAAGTAAA AATGAGCGT
 2731 GTTTGCAT CAATCTTAC TCTTGGGTT GCGCTGTA GCTTCTATG GACTGCGTA AGCGACCAA
 2801 TCGGATTC GCAATGTTT GCTAAGCGA AGTTAGCTA ACTAAGAGG TGAATGTC TTCTGAAGAC
 2871 CTACTGCTT ATTTATCAA CGCAGTAAA GAGGTAAAA GTTTGAGT TCAATTAAT AGCGCTCTA
 2941 AGATGCTCA AGTGCAGAC GTTACTTGC AGTTAAGCT AGAAAAAGCA GTTTAGTTT CTACAAAGT
 3011 GAGCGGACT GAGGATCTC AACGTAGCA GAGCTATCT GTTCTTACA GTTCTATTC TCAAGAGCAT
 3081 CACTATGAG AAGAGGTGG TGAATACAA AGCGTGGTT TTGTGCTTA CGAGTACCG AGCGGAAAA
 3151 TGAATCTGG TAAATATTC TTCAATGAG CATGCGAGT TAAATGAT GTTATTTA TGAATATCTC
 3221 ~~ATTTAGGAC~~ ~~AGCTTAGT~~ CATTAAGCT ACAATAGG CGCTTAGTA AGAAGCTGT CAGATCAC
 3291 CTATGAGCT GAAAGGATG GCGCGTAAA GAGGAAAGG CTGCGTTTGT TTGTTGGGT CATGCGAC
 3361 TTTTCAAGAC ACAAGCAGA ATCAGAAAA GTTGAATTAG AAGAGGAGA GTTCAGCGT ATGATAGAG
 3431 ACAACTGGA TACATGATG GCGCAATTC AGCGGCTCT TTCTACAG GTTGATAA AGCTGCTAA
 3501 TGAATAGC CAGTTGAGG TGAATGAG CTGCGTTGT ATGAAAGAT TCAAGCAGA GAACTAGTT
 3571 GATNAATG AGCGCTTAA

Fig 2

1 MPLSKHQIEQLSKPLSDDSIQGVYLKLEKSAFRPLRNEFNVAQTALRKLSQNPSADERDALQEACLNKWK
71 ILSDSLYEQFSKTTTRDIELISWFVAAQFLDITLESAAANSLEWLADLSEKHWDHLNPVLPVETLKSDDDK
141 GKEREQADAKVKAFFQLVGDSEESSILYAPVLQPLVGEVTFDFQSAERKGEISQLKSMLTTTVAQER
211 FAIQFKMENAKRCVTQLDRLSALVSTKCHSLGSQSTNFGFAKSLLTRVENALVHLSGIKLAPKAEAKTVE
281 QEVAESSVSEGELPSHMDTKHIERIPMASEQAQTVSQHLHAGNLSELGNLNNMNRDLAFHLLREVSDYFR
351 QSEPHSPISFLEKAIRWGYLSPELLREMMSEQNGDALSTIFNAAGLNHLDQVLLPEVSTPTVGIESPQ
421 TPQAKPSVSDPRSVEEHVSQTSPVDTQSKQDQKPQSSATSALSW*

Fig. 3a

1 MASIYMRVSLQVEGAATIGQLETAEGKNDGWFAINSYSWGGARNVAMDIGNGTNADSGMVGVSSESVTK
71 EVDGASEDLLSYLFPKDGKTVEVAFTKPSNDGQGADVVFQVKLEKARLVSYNVSGTDGSPYESLSLS
141 YTSISQKHYY EKEGGELQSGGVVITYDLPTGKMTSGK*

Fig. 3b

1 MALNSQHKRVSKNRYSITYDVETNGAVKTKELPFVVGIGDFSGHKPESEKVDLEEREFTGIDKDNFDTV
71 MGQIHPRLSYKVDNKLANDDSQFEVNLSLRSMKDFHPENLVDXIEPL

Fig. 3c